

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) An adjustable detergent dispenser for water cleaners, comprising:

at least three elements which can be assembled together, the at least three elements being a body, an aspiration conduit and a container of a detergent; and

a radially-directed series of ~~notches~~ channels afforded on a flat upper part of a head of the aspiration conduit, the ~~notches~~ channels becoming flow channels only when the head draws up to a bottom of an expansion chamber so as to result in variable-height flow channels being ~~afforded on~~ formed between a flat upper part of the head of the aspiration conduit and a mating lower surface of the body, the channels having different heights and the formed flow channels having different heights,

the aspiration conduit being connected to an expansion chamber of an ejector of the body through a hole and one of the variable-height flow channels fashioned radially on the upper head of the aspiration conduit,

the variable-height flow channels being interchangeable by means of a rotation of the head into at least one different

position from an original position thereof with respect to the body of the dispenser.

2. (original) The dispenser of claim 1, wherein the upper part of the head (16) of the aspiration conduit is trunco-cylindrically shaped and that elastic sealing means are provided thereon.

3. (previously presented) The dispenser of claim 2, wherein a plate is provided at a base of the trunco-cylindrically shaped upper part, which plate exhibits in an upper portion thereof at least one tooth, and which plate is supported on assembly of the dispenser by an upper edge of a neck of the container.

4. (original) The dispenser of claim 1, wherein the container exhibits an upper neck provided with teeth suitable for achieving a bayonet joint, and with a collar for striking contact with the body of the dispenser.

5. (original) The dispenser of claim 1, wherein at least one tab is provided on the aspiration conduit; the tab being a radial position indicator.

6-8. (cancelled)

9. (currently amended) An adjustable detergent dispenser for water cleaners, comprising:

a body with an ejector having an expansion chamber, the expansion chamber comprising an expansion chamber wall hole extending through an outer wall of the expansion chamber;

a detergent container connected to the body; and

an aspiration conduit providing a fluid path for extracting detergent held within the detergent container into the expansion chamber,

the aspiration conduit comprising a radially-directed series of variable-height channels, with open tops exposed along their entire length, on an uppermost horizontal surface of a head of the aspiration conduit,

the open-top channels becoming flow channels only when the head draws up against a bottom of the expansion chamber so to result in variable-height flow channels being afforded on the uppermost surface of the head of the aspiration conduit,

a thus-formed flow channel providing a fluid flow inlet at an end of the flow channel and a flow outlet at a thus-formed top exit opening for fluid flow into the body, with the body, via the thus-formed flow channel of the aspiration conduit, being in fluid connection with the detergent container,

the variable-height channels being selectable brought into the fluid connection with the expansion chamber wall hole by

an angular rotation of the head with respect to the body to bring the expansion chamber wall hole adjacent a selected channel,

the uppermost horizontal surface of the head of the aspiration conduit coming into contact with the outer wall of the expansion chamber.

10. (currently amended) An adjustable detergent dispenser for water cleaners, comprising:

a body (1) connected to an aspiration conduit (15), the conduit in turn connectable to a container for holding a detergent,

said aspiration conduit comprising a conduit head (16),  
said body comprising i) a water ejector comprised of a tapered water inlet chamber (3) ending with a fixed nozzle (4), ii) a Venturi expansion chamber (5) terminating with an exit nozzle (6), that provides a depression being caused by action of an exiting jet from the exit fixed nozzle (4), iii) an underlying chamber (9) underlying the expansion chamber and connectable in fluid communication with the expansion chamber, the underlying chamber delimited by a trunco-cylindrical wall (10), and iv) a connecting portion (12) for connection to the container,

the conduit head comprising i) a wide plate (17) destined to contact against the trunco-cylindrical wall, ii) a trunco-cylindrical drum (18), and iii) a flat upper part (21) provided with open top radial channels (22A, 22B, 22C, 22D and

22E), the radial channels having different depths from an upper surface of the flat upper part and open along their entire length when not pressed against the body, wherein,

the aspiration conduit is insertable into the underlying chamber (9) of the body, coupling the drum (18) on the trunco-cylindrical wall (10) of the chamber (9), and converting a single one of the open top radial channels into a flow channel by pressing a top of the drum against a mating surface of the body,

the pressing causing the open top of the single one radial channel to become the flow channel by the head drawing up into a bottom of the underlying chamber so that only a portion of the top is left open to serve as an exit opening and a remaining portion of the open top is closed to result in a single flow channel being formed.

11. (previously presented) The dispenser of claim 11, wherein,

the lower connecting portion (12) comprises a numbered scale with numbering located on a lower edge (13) thereof,

the radial channels are angularly equidistanted radially and are of a number corresponding to the numbering on the lower edge of the connecting portion.

12. (previously presented) The dispenser of claim 11, wherein,

the radial channels are five in number, and there are six numbers on the lower edge, one number being zero.

13. (previously presented) The dispenser of claim 11, wherein,

the aspiration conduit is internally hollow with an axial hole (23), and

the aspiration conduit externally includes a fixed tab (24) which indicates the angular position of the aspiration conduit.

14. (previously presented) The dispenser of claim 13, wherein,

the number of a coupling position is indicated by the position of the tab (24) with regard to the numbering on the lower edge (13), thereby indicating the angular position in which the head of the aspiration conduit has been installed on the underlying chamber.

15. (previously presented) The dispenser of claim 13, wherein,

the underlying chamber (9) is in fluid communication with the expansion chamber via a hole (8), and

the tab position indicates a situation in which one of the channels (22A, 22B, 22C, 22D, 22E) is a preselected channel that coincides with the hole providing fluid access to the expansion chamber, and

pressurised water introduced into the inlet chamber causes aspiration of the detergent in a pathway connecting the hole with the aspiration conduit through the preselected channel 22, and

as the depth of the channels is different, the preselected channel, as determined by the angular position of the conduit, determines the flow rate of the aspirated detergent.

16. (previously presented) The dispenser of claim 10, wherein,

inserting the neck (30) of the container onto the connecting portion (12), connects the body with the container only when correctly coupled, with an upper edge (25) of the neck striking against the wide plate (17).